Trig Review Sheet

The best review problems come from old quizzes. There will be several questions from each learning target.

You will be able to use your unit circle on half the exam.

Concepts to know:

Ch 5 Right triangles and degrees

* 45-45-90 and 30-60-90 triangles
* Trig ratios
* How to find trig ratios in acute triangles
* How to find trig ratios if given ratios or a point
* “All Students Take Calculus” and where it comes from
* **Law of Sines and Cosines**

Chapter 6

* Why do we use radians (Be very specific)
* Definition of radian
* How to convert degrees to radians and vice versa
* **Arc length** (remember, has to be in radians)
* Know the graphs of sine, cosine, and tangent
* Amplitude, period, phase shift, and vertical translation
* Frequency, domain, and range

Chapter 7

* Know all **trig identities**
* Proofs
* Know how to use sum, difference, double-angle, or half-angle identities
* Know the double angle formula for sine
* Solve equations
* Inverse trig functions and what quadrants they are found

Chapter 9

* Converting from polar to rectangular and vice versa
* Parametric